

THE CAYLEY HUSTLER

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REV. M. BEATON, Pastor

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CAYLEY

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Sunday school Adult class at 3 p.m.

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To each and all services the public are urged to attend.

REV. OLIVER E. MANN, Pastor.

Church of England

Services every second Sunday afternoon at 3 o'clock, in Mac-

Donald's Hall.

REV. MR. HENCHIE, Pastor

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A. NICHOLSON, Editor

For first-class Job Printing, try the Hustler.

1910 and 1911

Last year at this time Southern Alberta presented a most sun-burned appearance. Everywhere was evidence that Old Sol had held sway for long. Everything was as dry as the proverbial bone. And last year, too, there had been but little snow in the mountains.

Therefore when the heat of summer came on, long before its time, there was not sufficient water in the streams to allow of the winter's cut of saw-logs being brought down from the timber belt to the sawmills in the plains. Between the crop failure and the closing of the mills there was a noticeable financial stringency in the country. Even the real estate dealer felt the pinch of hard times.

Nothing was normal. Everything was abnormal.

But this year all is changed. On the trail of the long dry summer came a long hard winter, with much snow and intense cold. For nearly a week the C. P. R. main and branch lines were tied up by the snow. This was in January, and thereafter the railway had continued trouble from the same cause.

Then came the spring, and with it a more than usual amount of rain. To-day the streams throughout the country are full. Logs are beginning to come down from the mountains. Mills are in full blast. The crops never looked better. "Hope springs exultant in the human breast" and the speculator lays his plans. It is probable that this year of grace 1911 will be by far the most prosperous that the province of Alberta has ever known.

Cows Must Be Fitted to the Dairy

The true dairyman does not rely upon high prices alone to win for him a paying success, but he seeks for it cows of a greater productive quality, the securing of greater crops, of kinds and sorts that reduce the cost of feed and varieties that best combine to produce milk, the sorting of the cows as to milk production and ability to consume and utilize the food, and more the finding of where the feeding limit and profit part company.

Great manufacturers now employ "systemizers," and if something of that sort were done in dairies it would be found that there is no real adjustment of conditions. Too many cows are not fitted for the dairy; the care is not in harmony with a cow's requirements as a dairy animal, good and poor cows are all fed alike; there is not a well balancing of the rations as to composition; no regard is being paid to digestibility and palatability of the ration, climatic conditions are not taken into account or sanitation, and the food is too largely used for bodily support because of restricted amounts, and its composition is not of balance, too largely on one or the other side of the requirement, and often of material which the cow cannot digest, as in the case of field wintered corn fodder and musty stack hay. It has been said that it is about impossible for a man to buy a herd of common bred cows, picked up

largely in non-dairy sections, and make of them a profitable dairy, and where cows are so purchased to "fill in with," one buys five cows to get a possible production of three even fair cows. In this one finds a very large reason why the dairy does not pay; nor will it pay until the fact is realized that profitable cows are only such because they have been bred along the lines of milk production. By making of dairy qualities by men who have mastered the truth that cows can be bred for milk with as great assurance and certainty as one can for speed or strength or certain qualities of wool.

Another thing comes in here—the neglect to comprehend the fact that the environments of a cow must be uniform as to protection and feeding. A cow must have what amounts to twelve months of summer weather, with few radical changes, and for the bulk of her food she needs succulence.

These include a swell appointed stable with plenty of sunlight, continuous change of air, a clean bed and sanitation from end to end of the stable. Good blood, out of which good milk is made, can only be manufactured from fresh, pure air, with its oxygen supply uncontaminated. The stable must and can be made to do its part in making cheaper milk, or, rather, milk at lessened cost.

How can the feed bill be lessened? Of course, the reply will be: "Raise more home grown crops. True. The suggestion is to raise more silage, so that in addition to the winter feeding one may have so much that summer pasturage shall be of little dependence after July 4th. Raise alfalfa, raise oats and then another field of silage corn. Cheap feed is the most that can be raised from one acre, reckoned by digestible dry matter; and no other crop comes anywhere near to silage. Fed right, nothing else comes as near taking the place of high priced grain in the summer as silage, made from well eared fodder. Compare the cost of a bushel of silage with eight pounds of purchased grain.

If the thing is carefully looked over, a large percentage of the cases where it is claimed dairying does not pay is traceable to ill considered ways and methods of collecting a dairy and trying to harmonize many conflicting elements that enter into its make-up, too low an average of milk, not close enough enquiry into the matter of feeds, not "systemizing" the business and in not making the whole matter a study, but considering it an industry that will run itself.

Power From Potatoes

Culled potatoes will be furnishing the power of the gang plow and the engine on the farm before many more years go by. A bushel of culled potatoes is worth 50 cents. Turned into denatured alcohol they would be worth 72 cents. The process of extracting the alcohol is not one that every farmer can carry on, but the alcohol is there all right.

Alcohol is produced by the fermentation of sugar. Potatoes contain starch that may be converted into sugar by the addition of malt and then fermented. The potatoes are steamed until the starch is cooked thoroughly. Then the malt is added. When the starch has been converted into sugar a yeast mash is added and

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CASPELL & NABLO

the sugar is fermented. What is left from the potatoes mash can be fed to cattle. Experiments have proved that the mash has a high feeding value.

Denatured alcohol is used for heating and lighting, in chemicals, in varnishes, in explosives and as a fuel for engines. For some years the tax laws were such that alcohol was too expensive as fuel for engines. For this reason machinery has not been adapted for using denatured alcohol. But it is coming into use.

Dollar wheat is predicted this fall on account of the wheat crop through North and South Dakota being an almost utter failure. No matter how much rain they might receive now there could not be a crop which could be counted on to compare with their usual contribution to the market. Last year their crop was a failure. There is no wheat in that part of the country.

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What do you think of it?

Sound Advice

FARMER—Well wife, the barn wants painting, the fence is down, the chickens are in the garden, the doors are off the granary, the pump's no good, we haven't a knife that we can cut the meat, the linoleum is full of holes, the house is swarming with flies, the chickens are covered with lice, we haven't got a decent chair to sit on, the buggy squeaks worse than a German band, the cows swallowed the wire stretchers, and the pig eat the hamper. I think we'll quit farming.

WIFE—Let us go and see McMeekin & Scragg and get the place fixed up. We're going to have a good crop this year, and I know the boys will treat us right.

McMeekin & Scragg

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